Meeting Minutes
NDT Subcommittee Meeting
API-AGA Joint Committee on Oil and Gas Pipeline Field Welding Practices
2014 Winter Meeting
InterContinental Dallas Hotel, Addison, TX
Wednesday, January 22, 2014, 1:00 PM to 5:00 PM

1. CALL TO ORDER
   Chuck Woodruff called the meeting to order at 1:20 p.m.

2. INTRODUCTION & REMARKS
   Woodruff/Culbertson
   2.1 Chuck Woodruff asked everyone around the room to introduce themselves and their organizations.
   2.2 David Culbertson asked for everyone to sign-in on the attendance list that is going around the room. (see attachment #1)

3. OLD BUSINESS
   Woodruff
   3.1 Tom Reeder decided to step down as Co-Chair and resume business as Member. In the January 2013 meeting Dave Culbertson was elected as NDT Subcommittee Co-Chair.
   3.2 An NDT Task Group was officially establish by Committee Chair in January 2013 with task to review AUT and Manual UT sections and suggest how to move forward as either stand-alone or grouped together.

4. NEW BUSINESS
   Culbertson
   4.1 Subcommittee reviewed two requests for interpretation that were submitted to API during December 2013 and January 2014. Responses were developed to these requests and they were taken to the Interpretations Task Group to be presented for their consideration and action.
   4.2 Tom Reeder discussed the need for the publication of an errata to the 21st edition to correct a published error in the requirements for DWE/SWV IQIs selection. The Subcommittee agreed this was a published error and agreed to the need for a published errata to correct. Subcommittee Co-Chairs to bring this item before the Main Committee for resolution.
   4.3 Subcommittee recommended that specific task groups (In-Service Welding & Repairs) address the NDT requirements of weld repair inspection and in-service weld inspections.

Motion: Woodruff made the following motion: “I so move that the NDT Subcommittee recommends to the Main Committee that specific Task Groups (e.g. In-Service Welding & Repairs) shall be assigned to address the NDT requirements of weld repair inspection and in-service weld inspections.” The motion was seconded by Bob Bates.

Rationale: The rationale is that the Repair subcommittee did not include NDT coverage in the new section and we need to review the section and make sure NDT requirements are clear as written. The In-service Appendix has not had an NDT review to specifically cover and or update In-service NDT requirements.
4.4 Dave Culbertson discussed the need for the formation of an RT Task Group for the purpose of reviewing the entire radiographic testing requirements within the standard, and to propose necessary revisions and updates to bring these requirements in-line with the present state-of-the-art technology, including digital radiography requirements.

**Motion:** Culbertson made the following motion: “I so move that the NDT Subcommittee recommends that the Main Committee approve the formation of a Radiographic Testing Task Group for the purpose of reviewing the entire radiographic testing requirements within the standard, and to propose necessary revisions and updates to bring these requirements in-line with the present state-of-the-art technology, including digital radiography requirements.” The motion was seconded by Tom Reeder.

**Rationale:** To bring these requirements in-line with the present state-of-the-art technology, including digital radiography requirements.

**Motion PASSED Unanimously**

Proposed New Work Items for RT Task Group:

- IQI requirements are based on weld thickness. What about when there is a false bevel? This has been a problematic issue.
- Oversight error – minimum size of pore in cluster porosity in the radiographic acceptance criteria (needs to be limited to 1/8 inch diameter). RT Task Group needs to take a look at paragraphs 9.3.2 & 9.3.3 when addressing this item.
- RT Task Group to look at digital radiographic capabilities to determine if they can meet the requirements of Appendix A (vertical height & association). This item was proposed by Tom Reeder.
- Develop a method and means for possibly determining depth measurements (i.e. undercut, etc.) via digital radiographic images.
- Explore metrology capabilities for determining accurate and consistent digital radiographic techniques (i.e. CR, DR, etc.) for image measurements by establishing a viable method to provide the statistical confidence in those capabilities and derived measurements.
- Review RT demonstration requirements to assure it is capable of detecting the imperfections and defects inherent to the welding process, as part of AUT qualification.
- Consider additional wording concerning the placement location for IQI’s.
- Consider adding wording to define requirements related to the number of exposures, the acceptable positioning of the film and film lengths.
- Clarify the term “linear indications” that appears throughout the document because nothing presently defines what is to be considered “linear”.
- Reconsider how the use of flashing, lead letters/numbers and other weld identification schemes are used today in an attempt the address or eliminate the possibility of film image duplications. (DOT litigation occurred due to film falsification/duplication)
- When a radiograph is made of a repaired area is it required that the film also have IQIs at end & center of film?

**Motion PASSED Unanimously**

4.5 Gery Bauman with PHMSA reported that DOT and the Justice Department recently had brought litigation action against two NDE radiographic technicians for falsification of records. One individual has been sentenced and the other is awaiting sentencing. Both individuals have pleaded guilty.
4.6 A Subcommittee member asked the following questions: “Does the present API Standard require an ethics statement? If not, maybe the voting members representing ASNT could request ASNT to consider including an ethics statement requirement in the SNT-TC-1A document that would require certified NDT personnel to sign and to affirm their adherence to professional ethics on an annual basis similar to present eye examination requirements.

4.7 Bob Bates gave presentation on activities of UT Task Group

5. **NEXT MEETING** – Thursday – January 23, 2014 from 8:00 PM to Noon

6. **ADJOURNMENT**
   
   Meeting adjourned on Wednesday – January 22, 2014 at 3:50 p.m.

7. **READJOURNMENT**
   
   Meeting re-adjourned on Thursday – January 23, 2014 at 800 a.m.

8. **REMARKS**
   
   8.1 David Culbertson asked for everyone to sign-in on the new attendance list that is going around the room. *(see attachment #2)*

9. **NEW BUSINESS**
   
   9.1 Bob Bates continued with UT Task Group discussions.

   **Motion:** Bates made the following motion: “I so move that the NDT Subcommittee recommends that the Main Committee accepts the UT Task Group report at the January 23, 2014 meeting.” The motion was seconded by Chuck Woodruff.

   **Rationale:** The report explains the actions taken and the recommendations made to the UT requirements in the next edition of the Standard.

   **Motion PASSED Unanimously**

9.2 UT Task Group Report *(see attachment #3)*


11. **ADJOURNMENT**
   
   Meeting adjourned on Thursday – January 23, 2014 at 10:35 a.m.